

Photometric Test Report

Relevant Standards

- ☒ ANSI/IES LM-79-19
- ☒ ANSI C82.77-2020

Prepared For

RAB Lighting Inc.

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Issue Date: 2025-12-10

Revised Date: N/A

1.0 Test Summary

DLC Technical Requirements V6.0

Track or Mono-Point Luminaires				
Requirement Category	Test Method	Requirements		Test Value
Luminaire Output (lm) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	≥250lm		947
Minimum Luminaire Efficacy (lm/W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Standard	Premium	94.7
		95	110	
Power (Input Wattage) (W) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		10.0
Total Harmonic Distortion (A%) (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	20.00%	120V	13.94
Power Factor (THD & PF – Section 4.3)	ANSI C82.77:2002 ANSI C82-77-10:2020	0.9	120V	0.938
Allowable CCTs* (K) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	3985±275	3896
		4 steps	3985±154	
Chromaticity (D _{uv}) (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19	7 steps	0.0010±0.0060	-0.0003
		4 steps	0.0010±0.0033	
Minimum CRI (Integrating Sphere – Section 4.1)	ANSI/IES LM-79 19 CIE13.3-1995	≥80		96.1
Minimum R9 (Integrating Sphere – Section 4.1)	ANSI/IES LM-79-19 CIE13.3-1995	≥0		82
Minimum Rf (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥70		91
Minimum Rg (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	≥89		98
IES Rcs,h1 (Integrating Sphere – Section 4.1)	ANSI/IES TM-30-24	-12%≤IES Rcs,h1≤+23%		-3%
Zonal Lumen Requirement (0°-90°) (Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	≥ 85%		100.0%
Input Voltage (V)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Cast		120.0
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Input Current (A)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		0.089
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A
Power (Input Wattage – W)				
(Goniophotometer – Section 4.2)	ANSI/IES LM-79-19	Worst Case		10.0
(Goniophotometer – Section 4.2)		Non-Worst Case		N/A

2.0 Test List

Test Item	Test	Test Date	Model Number	Build Level	Sample No.
1	Integrating Sphere Test	2025-12-09	PIVOTLB @10W4000K	-	250903026-S1
2	Goniophotometer Test	2025-12-09	PIVOTLB @10W4000K	-	250903026-S1
3	THD and PF Test	2025-12-09	PIVOTLB @10W4000K	-	250903026-S1

Remark (If any):

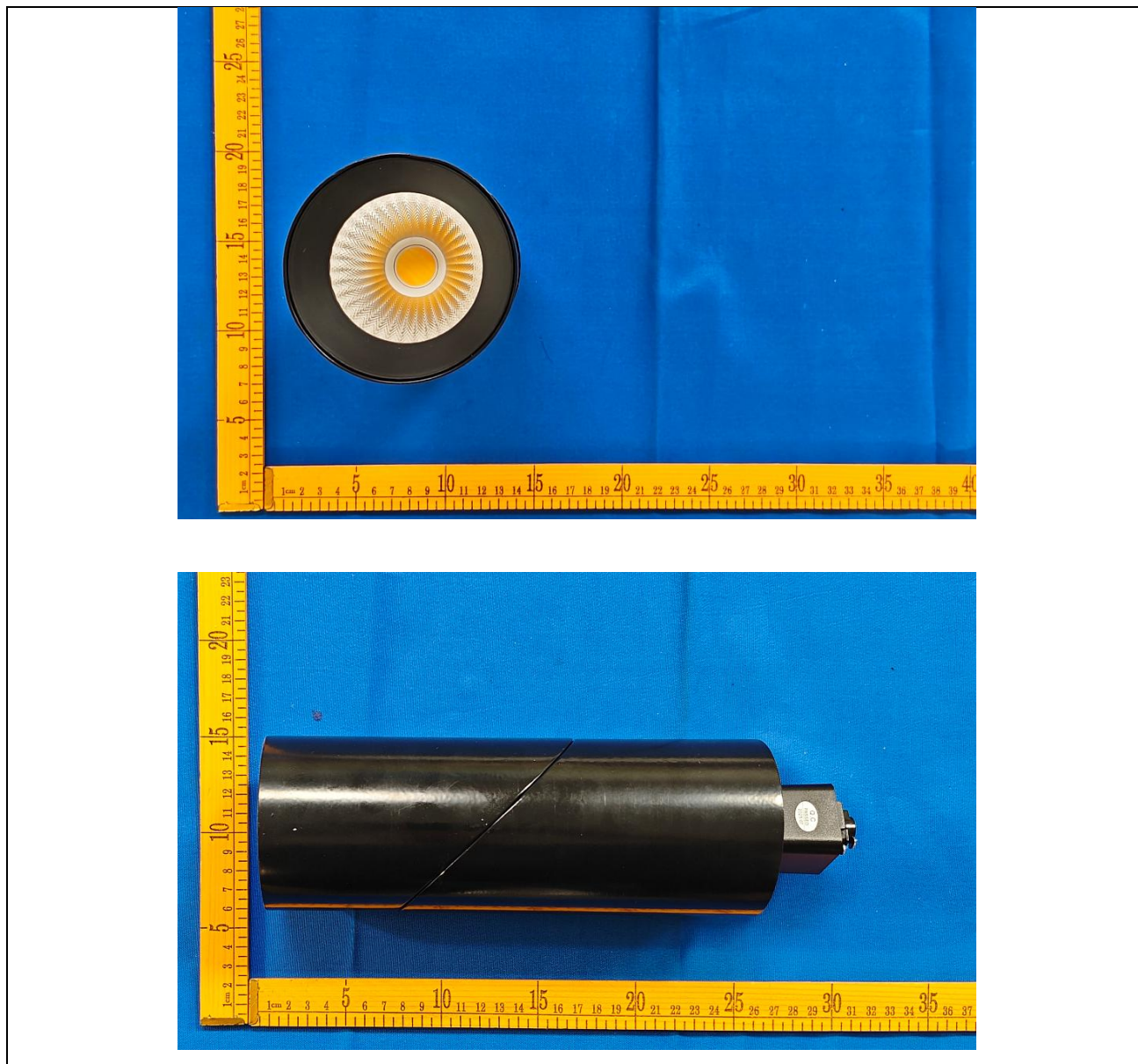
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3. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government.

3.0 Product Description

Luminaire Description: Model No. PIVOTLB @10W4000K, color tunable from 2700K, 3000K, 3500K, 4000K and 5000K.

Electrical Specification: 120Vac, 60Hz

Photos of Luminaire Characteristics



4.0 LM-79 Measurement and Test Results

4.1 Integrating Sphere Test

Model No.	PIVOTLB @10W4000K	Sample ID	250903026-S1
Operate time (Min.)	10	Stabilization time (Min.)	60
Temperature (°C)	25.4	Humidity (%RH)	41.0

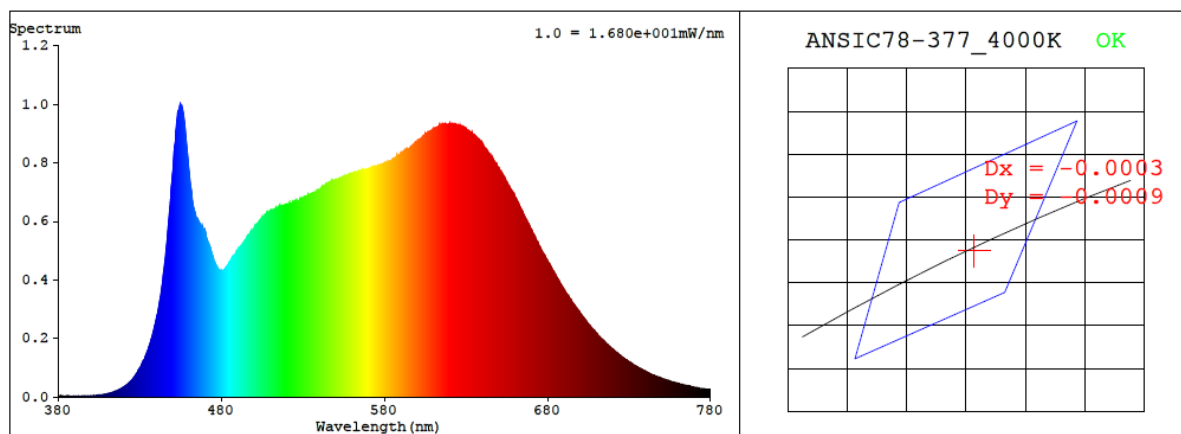
Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25\pm1^{\circ}\text{C}$.</p> <p>The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere.</p> <p>The voltage of an AC power supply (RMS voltage) or DC power supply (instantaneous voltage) applied to the device under test shall be regulated to within ± 0.2 percent under load.</p> <p>The sample was measured using 4π geometry and operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to 780nm.</p>

Test Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.0	60	0.089	10.0	0.938

CCT (K)	CRI	R9	Duv	SDCM	Rf	Rg	IES Rcs,h1
3896	96.1	82	-0.0003	2.3	91	98	-3%

4.1 Integrating Sphere Test



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3849$ $y = 0.3788$ / $u' = 0.2272$ $v' = 0.5031$ ($duv = -3.30e-04$)

CCT= 3896K Prcp WL: $L_d = 579.6\text{nm}$ Purity=29.2%

Peak WL: $L_p = 455\text{nm}$ FWHM: $\approx 27.6\text{nm}$ Ratio: R=20.8% G=74.6% B=4.7%

Render Index: $R_a = 96.1$ AvgR = 94.7 TM30: $R_f = 93$ $R_g = 99$

EEL: 0.13954 A+

R1 =98 R2 =99 R3 =99 R4 =95 R5 =96 R6 =96 R7 =94

R8 =91 R9 =82 R10=100 R11=98 R12=77 R13=99 R14=100 R15=96

4.1 Integrating Sphere Test

ANSI/IES TM-30-24 Color Rendition Report

Source: BXRV-TR-2750G-30A0-A-2x

Make: RAB Lighting Inc.

Date: 2025/12/10

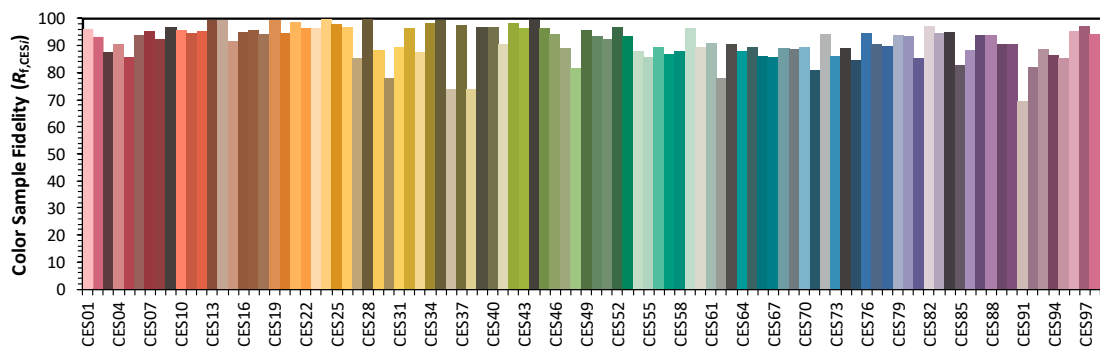
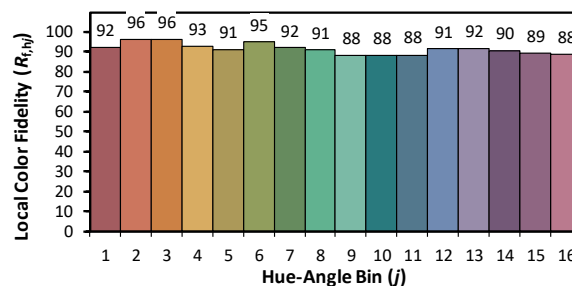
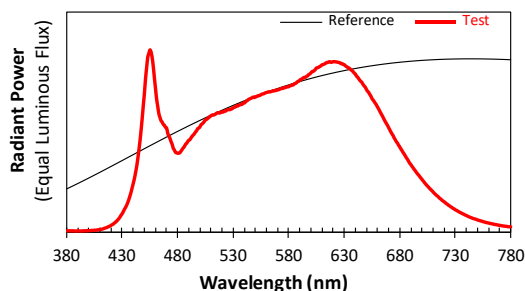
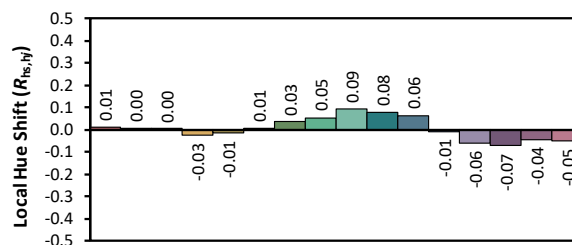
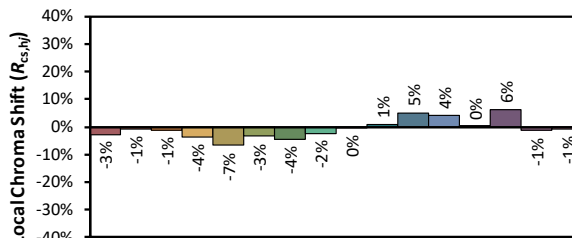
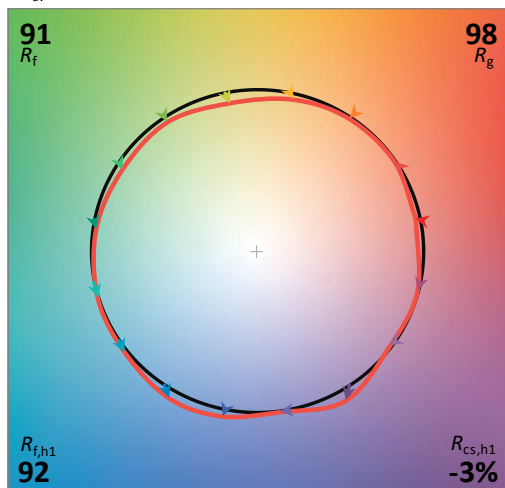
Model: PIVOTLB @10W4000K

Notes: N/A

Other: N/A

CCT: 3896 K
 D_{uv} : -0.0004

P2 V- F2



TM-30 Advanced Calculator Version 2.04

Created

2025/12/10

4.1 Integrating Sphere Test

Spectral Distribution over Visible Wavelength											
WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)	WL (nm)	Radiant (W/nm)
380	3.60E-03	447	5.58E-01	514	6.46E-01	581	8.01E-01	648	8.01E-01	715	1.89E-01
381	3.20E-03	448	6.23E-01	515	6.50E-01	582	8.03E-01	649	7.93E-01	716	1.83E-01
382	3.90E-03	449	6.93E-01	516	6.54E-01	583	8.05E-01	650	7.82E-01	717	1.79E-01
383	3.50E-03	450	7.60E-01	517	6.52E-01	584	8.06E-01	651	7.72E-01	718	1.73E-01
384	3.20E-03	451	8.40E-01	518	6.52E-01	585	8.12E-01	652	7.66E-01	719	1.68E-01
385	3.40E-03	452	9.01E-01	519	6.56E-01	586	8.14E-01	653	7.54E-01	720	1.64E-01
386	3.60E-03	453	9.59E-01	520	6.58E-01	587	8.18E-01	654	7.45E-01	721	1.59E-01
387	3.00E-03	454	9.79E-01	521	6.57E-01	588	8.24E-01	655	7.31E-01	722	1.53E-01
388	2.30E-03	455	9.99E-01	522	6.63E-01	589	8.27E-01	656	7.24E-01	723	1.50E-01
389	2.30E-03	456	9.87E-01	523	6.62E-01	590	8.33E-01	657	7.15E-01	724	1.44E-01
390	3.20E-03	457	9.56E-01	524	6.67E-01	591	8.36E-01	658	7.05E-01	725	1.41E-01
391	3.20E-03	458	9.07E-01	525	6.69E-01	592	8.40E-01	659	6.97E-01	726	1.36E-01
392	2.60E-03	459	8.44E-01	526	6.71E-01	593	8.44E-01	660	6.85E-01	727	1.32E-01
393	2.60E-03	460	7.86E-01	527	6.70E-01	594	8.47E-01	661	6.75E-01	728	1.27E-01
394	3.00E-03	461	7.28E-01	528	6.74E-01	595	8.48E-01	662	6.62E-01	729	1.25E-01
395	3.70E-03	462	6.88E-01	529	6.75E-01	596	8.53E-01	663	6.51E-01	730	1.20E-01
396	3.60E-03	463	6.48E-01	530	6.80E-01	597	8.56E-01	664	6.40E-01	731	1.17E-01
397	4.00E-03	464	6.28E-01	531	6.83E-01	598	8.63E-01	665	6.29E-01	732	1.13E-01
398	4.00E-03	465	6.09E-01	532	6.85E-01	599	8.66E-01	666	6.16E-01	733	1.10E-01
399	4.10E-03	466	6.02E-01	533	6.91E-01	600	8.72E-01	667	6.04E-01	734	1.06E-01
400	4.70E-03	467	5.89E-01	534	6.90E-01	601	8.79E-01	668	5.94E-01	735	1.03E-01
401	4.60E-03	468	5.84E-01	535	6.94E-01	602	8.81E-01	669	5.84E-01	736	9.97E-02
402	5.70E-03	469	5.73E-01	536	6.96E-01	603	8.85E-01	670	5.72E-01	737	9.69E-02
403	5.80E-03	470	5.69E-01	537	6.99E-01	604	8.91E-01	671	5.60E-01	738	9.40E-02
404	6.10E-03	471	5.41E-01	538	6.99E-01	605	8.99E-01	672	5.49E-01	739	9.04E-02
405	7.30E-03	472	5.25E-01	539	7.06E-01	606	9.01E-01	673	5.37E-01	740	8.81E-02
406	7.00E-03	473	5.12E-01	540	7.07E-01	607	9.04E-01	674	5.28E-01	741	8.50E-02
407	7.60E-03	474	4.94E-01	541	7.12E-01	608	9.07E-01	675	5.15E-01	742	8.20E-02
408	9.10E-03	475	4.79E-01	542	7.18E-01	609	9.11E-01	676	5.05E-01	743	7.93E-02
409	9.40E-03	476	4.58E-01	543	7.22E-01	610	9.16E-01	677	4.94E-01	744	7.65E-02
410	1.13E-02	477	4.48E-01	544	7.27E-01	611	9.18E-01	678	4.86E-01	745	7.47E-02
411	1.20E-02	478	4.35E-01	545	7.30E-01	612	9.21E-01	679	4.75E-01	746	7.19E-02
412	1.31E-02	479	4.33E-01	546	7.32E-01	613	9.24E-01	680	4.66E-01	747	7.00E-02
413	1.53E-02	480	4.30E-01	547	7.36E-01	614	9.29E-01	681	4.55E-01	748	6.87E-02
414	1.76E-02	481	4.31E-01	548	7.39E-01	615	9.29E-01	682	4.46E-01	749	6.64E-02
415	1.98E-02	482	4.34E-01	549	7.37E-01	616	9.32E-01	683	4.35E-01	750	6.39E-02
416	2.15E-02	483	4.43E-01	550	7.41E-01	617	9.34E-01	684	4.26E-01	751	6.17E-02
417	2.48E-02	484	4.51E-01	551	7.42E-01	618	9.31E-01	685	4.16E-01	752	6.03E-02
418	2.73E-02	485	4.60E-01	552	7.46E-01	619	9.31E-01	686	4.06E-01	753	5.80E-02
419	3.00E-02	486	4.67E-01	553	7.47E-01	620	9.34E-01	687	3.97E-01	754	5.68E-02
420	3.41E-02	487	4.79E-01	554	7.49E-01	621	9.34E-01	688	3.87E-01	755	5.44E-02
421	3.76E-02	488	4.85E-01	555	7.52E-01	622	9.33E-01	689	3.76E-01	756	5.27E-02
422	4.15E-02	489	4.94E-01	556	7.56E-01	623	9.33E-01	690	3.69E-01	757	5.10E-02
423	4.64E-02	490	5.02E-01	557	7.57E-01	624	9.31E-01	691	3.59E-01	758	4.95E-02
424	5.15E-02	491	5.05E-01	558	7.59E-01	625	9.30E-01	692	3.51E-01	759	4.78E-02
425	5.74E-02	492	5.15E-01	559	7.63E-01	626	9.28E-01	693	3.42E-01	760	4.67E-02
426	6.38E-02	493	5.24E-01	560	7.65E-01	627	9.24E-01	694	3.35E-01	761	4.48E-02
427	7.11E-02	494	5.31E-01	561	7.66E-01	628	9.24E-01	695	3.26E-01	762	4.37E-02
428	7.97E-02	495	5.37E-01	562	7.68E-01	629	9.19E-01	696	3.18E-01	763	4.25E-02
429	8.99E-02	496	5.47E-01	563	7.68E-01	630	9.18E-01	697	3.11E-01	764	4.10E-02
430	9.81E-02	497	5.54E-01	564	7.69E-01	631	9.12E-01	698	3.03E-01	765	3.97E-02
431	1.10E-01	498	5.66E-01	565	7.71E-01	632	9.07E-01	699	2.95E-01	766	3.82E-02
432	1.22E-01	499	5.69E-01	566	7.74E-01	633	9.03E-01	700	2.87E-01	767	3.77E-02
433	1.32E-01	500	5.76E-01	567	7.73E-01	634	9.00E-01	701	2.79E-01	768	3.59E-02
434	1.45E-01	501	5.86E-01	568	7.76E-01	635	8.96E-01	702	2.72E-01	769	3.48E-02
435	1.60E-01	502	5.92E-01	569	7.77E-01	636	8.90E-01	703	2.64E-01	770	3.36E-02
436	1.77E-01	503	5.98E-01	570	7.79E-01	637	8.85E-01	704	2.57E-01	771	3.27E-02
437	1.96E-01	504	6.05E-01	571	7.80E-01	638	8.79E-01	705	2.50E-01	772	3.16E-02
438	2.17E-01	505	6.14E-01	572	7.83E-01	639	8.72E-01	706	2.44E-01	773	3.07E-02
439	2.41E-01	506	6.16E-01	573	7.86E-01	640	8.66E-01	707	2.37E-01	774	2.96E-02
440	2.66E-01	507	6.22E-01	574	7.87E-01	641	8.56E-01	708	2.31E-01	775	2.90E-02
441	2.91E-01	508	6.27E-01	575	7.88E-01	642	8.49E-01	709	2.25E-01	776	2.82E-02
442	3.23E-01	509	6.32E-01	576	7.92E-01	643	8.41E-01	710	2.18E-01	777	2.72E-02
443	3.57E-01	510	6.37E-01	577	7.92E-01	644	8.32E-01	711	2.11E-01	778	2.61E-02
444	3.98E-01	511	6.41E-01	578	7.94E-01	645	8.26E-01	712	2.05E-01	779	2.60E-02
445	4.47E-01	512	6.40E-01	579	7.96E-01	646	8.20E-01	713	2.00E-01	780	2.61E-02
446	4.97E-01	513	6.43E-01	580	7.96E-01	647	8.09E-01	714	1.95E-01	N/A	N/A

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	PIVOTLB @10W4000K	Sample ID	250903026-S1
Operate time (Min.)	30	Stabilization time (Min.)	60
Temperature (°C)	25.1	Humidity (%RH)	40.9

Test Method
<p>The Samples were tested according to the ANSI/IES LM-79:2019.</p> <p>Photometric parameters were measured using a type C goniophotometer and software.</p> <p>The ambient temperature shall be maintained at $25 \pm 1^\circ\text{C}$, measured at a point not more than 1 m from the sample and at the same height as the sample.</p> <p>The voltage of an AC power supply (RMS voltage) or DC power supply (instantaneous voltage) applied to the device under test shall be regulated to within ± 0.2 percent under load.</p> <p>The samples were operated at rated voltage and was stabilized before measurement. Luminous flux, luminaire efficacy, zonal lumen were calculated from the software taken at 1.0° vertical intervals and 15° horizontal intervals.</p>

Test Conditions

Condition	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
WORST CASE	120.0	60	0.089	10.0	0.938
NON-WORST CASE	N/A	N/A	N/A	N/A	N/A

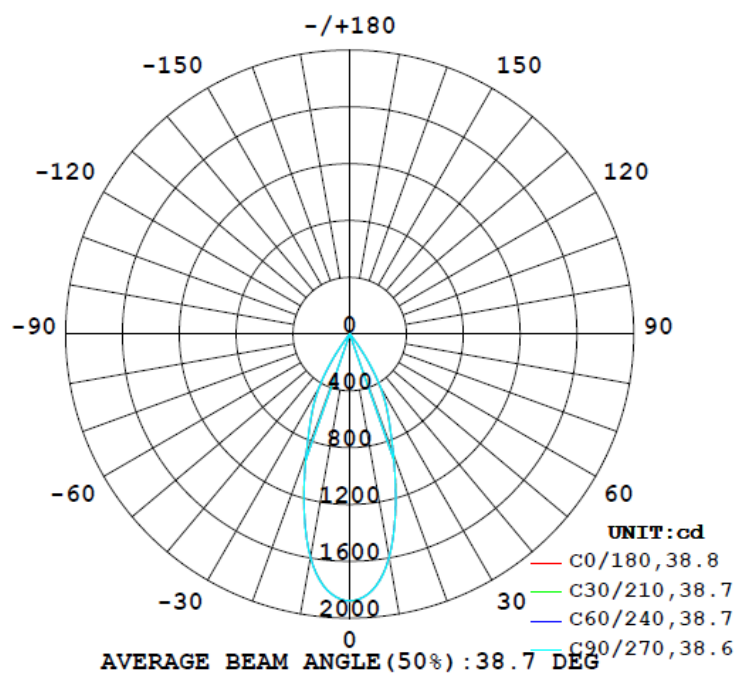
Test Result

Flux (lm)	Field Angle (10%)		Beam Angle (50%)		Luminous Efficacy (lm/W)	Zonal Lumen Requirement
	C0-180	C90-270	C0-180	C90-270		(0°-90°)
947	70.2	70.6	38.8	38.7	94.7	100.0%

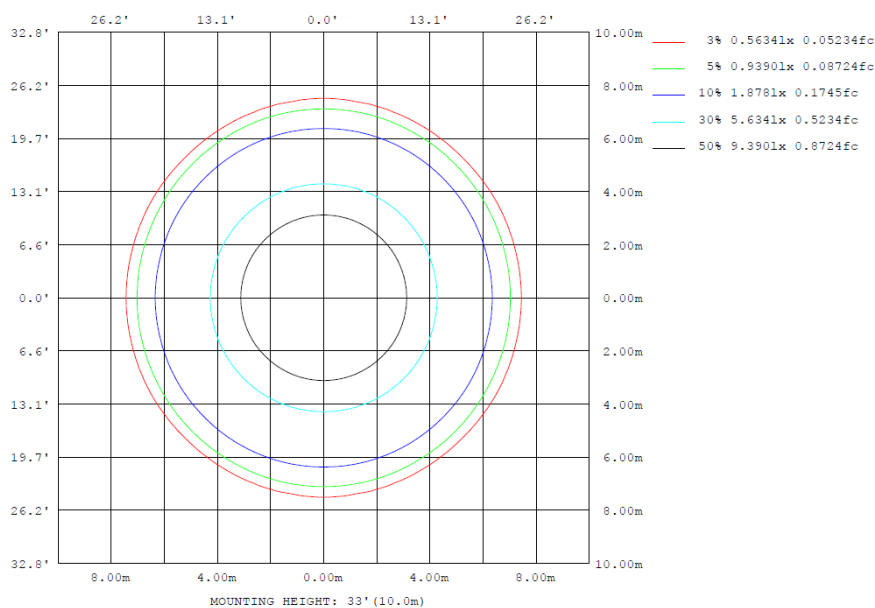
4.2 Goniophotometer Test

Lighting Distribution Curve

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



Isolux Plot



4.2 Goniophotometer Test

Zonal Lumen Summary

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1597	1594	1599	1594	1597	1594	1599	1594	0- 10	166.1	166.1	17.5, 17.5
20	899.6	898.4	896.4	898.4	899.6	898.4	896.4	898.4	10- 20	343.1	509.1	53.7, 53.7
30	431.0	435.0	434.6	435.0	431.0	435.0	434.6	435.0	20- 30	295.4	804.6	84.9, 84.9
40	29.81	30.36	32.78	30.36	29.81	30.36	32.78	30.36	30- 40	120.1	924.7	97.6, 97.6
50	13.00	12.82	12.66	12.82	13.00	12.82	12.66	12.82	40- 50	13.49	938.2	99.99
60	3.597	3.483	3.487	3.483	3.597	3.483	3.487	3.483	50- 60	7.365	945.6	99.8, 99.8
70	0.6243	0.5690	0.5590	0.5690	0.6243	0.5690	0.5590	0.5690	60- 70	1.665	947.2	100, 100
80	0.0259	0.0275	0.0272	0.0275	0.0259	0.0275	0.0272	0.0275	70- 80	0.1186	947.3	100, 100
90	0	0	0	0	0	0	0	0	80- 90	0.0132	947.4	100, 100
100	0	0	0	0	0	0	0	0	90-100	0	947.4	100, 100
110	0	0	0	0	0	0	0	0	100-110	0	947.4	100, 100
120	0	0	0	0	0	0	0	0	110-120	0	947.4	100, 100
130	0	0	0	0	0	0	0	0	120-130	0	947.4	100, 100
140	0	0	0	0	0	0	0	0	130-140	0	947.4	100, 100
150	0	0	0	0	0	0	0	0	140-150	0	947.4	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	947.4	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	947.4	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	947.4	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Zonal (lm)		Total (lm)		Percent
0-10	166.07	0-10	166.07	17.53%
10-20	343.07	0-20	509.14	53.74%
20-30	295.44	0-30	804.58	84.93%
30-40	120.12	0-40	924.70	97.61%
40-50	13.49	0-50	938.19	99.03%
50-60	7.36	0-60	945.55	99.81%
60-70	1.67	0-70	947.22	99.99%
70-80	0.12	0-80	947.34	100.00%
80-90	0.01	0-90	947.35	100.00%
90-100	0.00	0-100	947.35	100.00%
100-110	0.00	0-110	947.35	100.00%
110-120	0.00	0-120	947.35	100.00%
120-130	0.00	0-130	947.35	100.00%
130-140	0.00	0-140	947.35	100.00%
140-150	0.00	0-150	947.35	100.00%
150-160	0.00	0-160	947.35	100.00%
160-170	0.00	0-170	947.35	100.00%
170-180	0.00	0-180	947.35	100.00%

4.2 Goniophotometer Test

Luminous Distribution Intensity Data

Table--1

UNIT: cd

C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
y (DEG)	0	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878	1878
5	1812	1810	1811	1811	1812	1812	1812	1812	1812	1811	1811	1810	1812	1810	1811	1811	1812	1812	1812
10	1597	1595	1595	1594	1596	1597	1599	1597	1596	1594	1595	1595	1597	1595	1595	1594	1596	1597	1599
15	1253	1251	1250	1248	1248	1250	1251	1250	1248	1248	1250	1251	1253	1251	1250	1248	1248	1250	1251
20	900	898	900	898	899	898	896	898	899	898	900	898	900	898	900	898	899	898	896
25	639	639	644	645	648	649	649	649	648	645	644	639	639	639	644	645	648	649	649
30	431	433	435	435	435	435	435	435	435	435	435	433	431	433	435	435	435	435	435
35	175	176	179	183	187	192	193	192	187	183	179	176	175	176	179	183	187	192	193
40	29.8	29.9	30.0	30.4	30.8	32.0	32.8	32.0	30.8	30.4	30.0	29.9	29.8	29.9	30.0	30.4	30.8	32.0	32.8
45	15.9	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.9	15.7	15.7	15.7	15.7	15.7	15.7
50	13.0	12.9	12.9	12.8	12.8	12.8	12.7	12.8	12.8	12.8	12.9	13.0	12.9	12.9	12.9	12.8	12.8	12.8	12.7
55	8.56	8.48	8.45	8.38	8.41	8.40	8.41	8.40	8.41	8.38	8.45	8.48	8.56	8.48	8.45	8.38	8.41	8.40	8.41
60	3.60	3.55	3.48	3.48	3.47	3.51	3.49	3.51	3.47	3.48	3.48	3.55	3.60	3.55	3.48	3.48	3.47	3.51	3.49
65	1.65	1.58	1.54	1.52	1.54	1.53	1.51	1.53	1.54	1.52	1.54	1.58	1.65	1.58	1.54	1.52	1.54	1.53	1.51
70	0.62	0.57	0.56	0.57	0.58	0.57	0.56	0.57	0.58	0.57	0.56	0.57	0.62	0.57	0.56	0.57	0.58	0.57	0.56
75	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
80	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table--2

UNIT: cd

C (DEG)	285	300	315	330	345														
y (DEG)	0	1878	1878	1878	1878	1878													
5	1812	1812	1811	1811	1810														
10	1597	1596	1594	1595	1595														
15	1250	1248	1248	1250	1251														
20	898	899	898	900	898														
25	649	648	645	644	639														
30	435	435	435	435	433														
35	192	187	183	179	176														
40	32.0	30.8	30.4	30.0	29.9														
45	15.7	15.7	15.7	15.7	15.7														
50	12.8	12.8	12.8	12.9	12.9														
55	8.40	8.41	8.38	8.45	8.48														
60	3.51	3.47	3.48	3.48	3.55														
65	1.53	1.54	1.52	1.54	1.58														
70	0.57	0.58	0.57	0.56	0.57														
75	0.05	0.05	0.05	0.05	0.05														
80	0.03	0.03	0.03	0.03	0.03														
85	0.01	0.01	0.01	0.01	0.01														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

4.0 LM-79 Measurement and Test Results

4.3 THD and PF Test

Model No.	PIVOTLB @10W4000K	Sample ID	250903026-S1
Temperature (°C)	25.4	Humidity (%RH)	41.0

Test Method
<p>The samples were tested according to the and ANSI C82.77: 2002 and ANSI C82.77-10:2020</p> <p>The total harmonic distortion shall be measured to the 40th order.</p> <p>The ambient temperature shall be maintained at $25 \pm 1^\circ\text{C}$. The sample measurements were made using a digital power meter and power supply. The sample was operated at rated voltage and was stabilized before measurement. The total harmonic distortion was calculated.</p>

Test Results

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	iTHD(%)
120.0	60	0.089	10.0	0.938	13.94

5.0 Equipment List:

Equipment ID	Equipment Name	Last Cal.	Due Cal.
NTC-F01-001	Goniophotometer System	2025-11-06	2026-11-05
NTC-F01-006	2.0 meter Integrating Sphere	2025-11-06	2026-11-05
NTC-F01-012	Standard Lamp	2025-10-27	2026-10-26
NTC-F01-013	Standard Lamp	2025-10-27	2026-10-26
NTC-F01-031	Digital Power Meter	2025-08-04	2026-08-03
NTC-F01-019	Temperature & Humidity Meter	2025-10-23	2026-10-22

*****End of Report*****